

Re: Fw: Excel spreadsheets of EPA/BLM collected water quality data

Megan_Dudevoir to: Forrest.Sabrina

12/20/2010 09:33 AM

From: Megan_Dudevoir@URSCorp.com

To:

Sabrina,

I just wanted to drop you a quick note to let you know that you got 2 copies of the trip report last week. Apparently one copy went out without a figure, so Marlaina sent another copy over with figures. We just got the inorganics sediment data from CLP and sent the package out for validation. Kent is going to send the ESAT data for validation when he gets the hard copy.

We should have some staff to work on your data needs. Feel free to give me a call this week to discuss. I will most likely be working on it and will be in Monday and Tuesday.

Cheers,

Megan J. Dudevoir

URS Operating Services, Inc.

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Forrest.Sabrina@epamail.epa.gov

12/15/2010 01:06 PM

To Megan_Dudevoir@URSCorp.com

cc Andrew_Longworth@URSCorp.com, chuck_baker@urscorp.com

Subject Re: Fw: Excel spreadsheets of EPA/BLM collected water quality data

Thanks Megan, I think Andrew also tried to respond to Bill Simon.
Looking forward to the Trip Report. Please let me know how the draft data is looking as soon as you get it. I want to see if we have a listable area here ASAP and would need to get the data validated and into a bit of a rough package for HQ's NPL panel February 1, 2011.

I am also wondering if START is still looking for work?? I have the region 8 lab data that Bill Schroeder was compiling into some nice charts, but he only had 6 months entered, then Bill got too busy to keep up with it. Anyway, it is all getting put into Scribe. I had ESAT messing with it, but since I had heard folks were looking for work, and I have some quick turn needs, I am now wondering if START is still could continue that chart creation piece of things? I had been getting ESAT help, but they seem quite busy these days and I don't have the time to make pretty charts either. These charts and the ones that Andrew made in November from the ARSG and EPA data will be super important for upcoming meetings with ARSG and the County/community so we can show them what we are seeing in water quality changes. Please let me know, or have Chuck give me a call regarding what you are all busy with or looking for?

Sincerely,

Sabrina Forrest

NPL Coordinator &

Site Assessment Manager

U.S. Environmental Protection Agency

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From: Megan_Dudevoir@URSCorp.com

To: Sabrina Forrest/R8/USEPA/US@EPA

Cc: Andrew_Longworth@URSCorp.com

Date: 12/09/2010 01:56 PM

Subject: Re: Fw: Excel spreadsheets of EPA/BLM collected water quality data

Sabrina,

To answer Bill's questions:

1. I am not sure about the broken link, I will talk with Andrew about that on Monday.
2. The data we used was from November of each year. We went with data from one month to make trends easier to see by eliminating seasonal variation. Also, this would eliminate any variation caused by times of year that Sunnyside Gold Corp was treating Cement Creek.
3. In the Church report on page 74 there is a section which describes the history of reclamation activities in Cement Creek. This indicates that between fall of 1996 and 1999, during non-runoff periods, Cement Creek was diverted and treated to mitigate short term impact of remedial

activities. The end of this treatment in 1999 would explain the jump. I have attached a scan of page 74.

Let me know if you need anything else.

Also, the sampling trip report is being reviewed and will get to you early next week.

Megan J. Dudevoir
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Forrest.Sabrina@epa
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To
12/09/2010 12:30 PM andrew_longworth@urscorp.com,
jeremiah_erwin@urscorp.com,
megan_dudevoir@urscorp.com
cc

Subject

Fw: Excel spreadsheets of EPA/BLM
collected water quality data

All (I realize Andrew may not be available any longer), Can you help me
get answers for Bill Simon's questions?

Sincerely,

Sabrina Forrest
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----- Forwarded by Sabrina Forrest/R8/USEPA/US on 12/09/2010 12:29 PM

From: "William Simon" <wsimon@frontier.net>
To: Sabrina Forrest/R8/USEPA/US@EPA, "'Peter Butler'" <pbutler@wildblue.net>
Cc: "'Fearn Engineering'" <fearneng@rmi.net>, <andrew_longworth@urscorp.com>, Steven Way/R8/USEPA/US@EPA
Date: 12/09/2010 09:53 AM
Subject: RE: Excel spreadsheets of EPA/BLM collected water quality data

I don't understand your "broken link" mentioned below?

I also don't see that Andrew or Church explain what happened in 1999 to cause that significant jump in Cd, Cu, and Zn. Since the data and dates are

not included I can't be sure but it might have something to do with the time

of year the samples were taken -- SGC treated all of CC at some times of year (low flow) and none of CC at other times of year. I need more information-- what months or is this a plot of yearly averages?

Bill

-----Original Message-----

From: Forrest.Sabrina@epamail.epa.gov
[mailto:Forrest.Sabrina@epamail.epa.gov]
Sent: Tuesday, December 07, 2010 8:24 AM
To: Peter Butler; 'William Simon'
Cc: 'Fearn Engineering'; andrew_longworth@urscorp.com; Way.Steven@epamail.epa.gov
Subject: RE: Excel spreadsheets of EPA/BLM collected water quality data

Peter and Bill, I just want to follow up to see if the ARSG web site does in fact have a broken link or something for the 2004-2009 data the START staff were looking for when EPA was outlining how to possibly respond to Todd Hennis' letter. Also, Andrew Longworth noted the following with regard to the 1999 spike:

"I was digging through some data/reports here and found something to explain the 1999 jump in concentrations. It turns out that between 1996 and 1999 water from cement creek above American Tunnel was treated then between 2002 and 2003 water from Gold King was treated. The charts I provided were based on treatment stopping in 2003 and did not take into account the switch between the two. I found this information in the Stanley Church 2007 "The effects of acidic mine drainage from historical mines in the Animas River watershed, San Juan County, Colorado" report."

Here are the draft charts that Andrew put together for us. Note that we had him average the chronic water quality standards to simplify the visuals, since there is alot going on.

(See attached file: CadmiumCC48A72A68Linear.pdf)(See attached file: CopperCC48A72A68Linear.pdf)(See attached file: ZincCC48A72Linear.pdf)

Lastly, is the ARSG responding to Todd's follow up letter? I don't believe EPA will do so; we will respond to relevant issues as needed in future meetings with the County and community. Regarding a follow up meeting with them, I think it would be beneficial to wait until we have some idea of what the November data tell us about overall listability. Therefore, I hope that could happen in February, but it may take until March.

Thanks!

Sincerely,

Sabrina Forrest

NPL Coordinator &

Site Assessment Manager

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From: "Peter Butler" <pbutler@wildblue.net>

To: Sabrina Forrest/R8/USEPA/US@EPA, "'William Simon'"

<wsimon@frontier.net>, "'Fearn Engineering'"

<fearneng@rmi.net>

Date: 11/19/2010 09:55 AM

Subject: RE: Excel spreadsheets of EPA/BLM collected

water quality

data

Thanks! Sabrina.

From: Forrest.Sabrina@epamail.epa.gov [

mailto:Forrest.Sabrina@epamail.epa.gov]

Sent: Thursday, November 18, 2010 4:29 PM

To: William Simon; Peter Butler; Fearn Engineering

Subject: Excel spreadsheets of EPA/BLM collected water quality data

Importance: High

All, Sorry for the delays in getting these files to you. These are all the data that have been loaded into the Scribe database so far.

I have asked for the START contractor to help get some "pictures" of the data we have so far with regard to looking at Cement Creek concentrations and then have A72 looked at compared to standards, but I imagine you may be already working on this to show the commissioners the relative impacts from Cement on the Animas.

Do you have the flow data that Bill Schroeder may have passed along? If not, it is in the Summary file.

I have asked our TMDL staff to help get flow duration curves generated too; they are supposed to help us understand where the loads are coming from at high, moderate, and low flow. I have much to learn..

Sabrina

[attachment "church p 74.pdf" deleted by Sabrina Forrest/R8/USEPA/US]